

TWENTY NINTH
INTERNATIONAL
FORESTRY AND
ENVIRONMENT
Symposium
2025

A Multi-Sectoral Approach for a Sustainable Future

Organised by

Department of Forestry and Environmental Science, University of Sri Jayewardenepura

17th - 18th January 2025

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8.30 a.m. - 10.30 am	Inauguration and Plenary Session (Senate Boardroom)
08.30 a.m.-08.35 a.m.	Lighting of the Oil Lamp
08.35 a.m.-08.40 a.m.	University Anthem
08.40 a.m.-08.50 a.m.	Welcome address: <i>Prof. Daham Jayawardana</i> (Symposium Chair), Head, Department of Forestry and Environmental Science, University of Sri Jayewardenepura
08.50 a.m.-09.00 a.m.	Address: <i>Prof. Upul Subasinghe</i> , Dean, Faculty of Applied Sciences, University of Sri Jayewardenepura
09.00 a.m.-09.10 a.m.	Address: <i>Snr. Prof. Pathmalal Manage</i> , Vice-chancellor, University of Sri Jayewardenepura
09.10 a.m.-09.20 a.m.	Symposium Video
09.20 a.m.-09.35 a.m.	Address of the Guest of Honour: Mr. K. R. Uduwawala, Secretary, Ministry of Environment
09.35 a.m.- 9.45 a.m.	Address: <i>Snr. Prof. Hemanthi Ranasinghe</i> (One of the founding members of the Department)
09.45 a.m.-10.05 a.m.	Keynote Speech: <i>Prof. Naohiro Goto</i> , Faculty of Information Networking for Innovation and Design, Toyo University, Japan
10.05 a.m.-10.15 a.m.	Token of Appreciation
10.15 a.m.-10.25 a.m.	Vote of Thanks: <i>Dr. Pasan Dunuwila</i> , Symposium Coordinator, 29 th International Forestry and Environment Symposium 2025
10.25 a.m.-10.30 a.m.	National Anthem

Day 01 - 17th January 2025

Time	Hall A	Hall B	Hall C	Hall D	Hall E
	Session 4 Environmental Economics & Resource Management (Part) Dr. Menuka Udugama	Session 2 Biodiversity Conservation & Management (Part 1) Dr. Mayuri Munasinghe	Session 13 Poster Session (Part 1) Online Dr. Pabasari A Koliyabandara	Session 1 Forest & Natural Resource Management (Part 1) Prof. Sudheera Ranwala	Session 10 Environmental Engineering (Part 1) Prof. Benedict Basnayake
11.00-11.15 am	41 Factors Influencing the Willingness to Pay for the Establishment of a Proper Collection Facility for PET Bottle Waste in the Western Province, Sri Lanka Maduwantha MAC	76 Preliminary Study of Sea Urchins Associated to Two Locations in Southern Coast of Sri Lanka Dulanjali UVSI	19 Assessing the efficiency of floating wetland for nutrient remediation in pond water- case study Nishshanka NAASP	29 Comparative Analysis of Forest Fire Susceptibility Mapping of Sikkim (India) using Machine Learning and MCDM Techniques Biswas B	27 (Online) Evaluation of Physico-chemical Properties of Coco Peat-Based Growing Media Enhanced with Rubber and Compost for Agricultural Applications Gayesha CA
11.15-11.30 am	49 Estimating Households' Willingness to Pay for Composting of Solid Waste: A Choice Experiment Approach Gurupatham WES	95 (Online) Density-Dependent Variations of Vegetation Dynamics in the Horton Plains National Park as Indicators of the Possible Long-term Impacts of Forest Dieback and Recovery De Costa J	63 Spatial Patterns in Groundwater Availability and Selected Physical Properties in an Urban Area Vithanage PG	52 Trade-offs between Sustainable Forest Management in Conservation Areas and Carbon Balance in Wood Products Parobek J	15 (Online) Evaluating Shoot Performance of Vertical and Horizontal Placement of Insulin (<i>Costus igneus</i>) Stem Cuttings Grown in Soil with Tea Waste and Cattle Manure Abesekara AANK

11.30-11.45 pm	168 Economic Valuation of Nanoplastics from X-Press Pearl Ship Accident Samarakkody OD	112 Assessment of Forest Health in the Horton Plains National Park in relation to Possible Forest Dieback and Recovery Nigesh V	172 A Comparative Assessment of Water Pollution in Beira Lake and Ihalagama Lake in the Western Province of Sri Lanka Perera B	53 Multi-stakeholder Approach to Setting the Requirements for Sustainable Forest Management Certification Scheme Paluš H	35 Green Synthesis, Characterization, and Antimicrobial Activity of Silver Nanoparticles from Marine Brown Algae <i>Padina commersonii</i> Ratnaranjan R
11.45-12.00 noon	197 Investigating the Influential Factors of Food Expenditure: Towards Ensuring Food Security of Sri Lanka Sandapperuma SAASN	292 Exploring plant growth promoting salt-tolerant microorganisms associated with <i>Salicornia brachiata</i> Herath P	65 Impact of Religious Pilgrimages on National Parks: A Case Study of Waste Management in Yala National Park, Sri Lanka Vijethilake ULNL	90 Identifying Forest Fires and their Impact on Forest Cover in Anuradhapura District Using GIS and Remote Sensing Lalanath B	43 Developing Eco-Friendly ABS Composites with Naphthoylated Microcrystalline Cellulose: Advancing Green Materials for Industrial Applications Dharmaratne DT
12.00-12.15 pm	291 Assessment of Visual Impacts Associated with the Construction Work of the Colombo Port City Development Project Katuwala NN	209 Detection of Pathogenic and Non-pathogenic <i>Ralstonia solanacearum</i> in Bell Pepper and Lettuce Cultivation Lands in Sri Lanka Wijemanne K	231 Analysis of the availability of plastic food packaging and their alternatives in the market Madurangi H	86 Molecular Phylogenetic and Comparative Morpho-Anatomical Study on Some Selected <i>Madhuca</i> spp. (Sapotaceae) in Sri Lanka Herath N	219 Enrichment of Municipal Solid Waste Compost with Native Free-Living Diazotrophic Bacteria to Enhance the Plant Available Nitrogen Rathnapriya K
12.15-12.30 pm	243 Analysis of Factors Affecting Tea Exports of Sri Lanka and Their Dynamic Interrelations Using the Vector Autoregression Approach Dheerasingha DHAN	181 (Online) Species Distribution Modelling of Sri Lankan Endemic Genus <i>Stemonoporus</i> Thw. – Use of Stacked Species Distribution Models by Integrating Machine Learning and Regression Models Piumal J	33 Optimization of Waste Glass Powder Content to Improve the Mechanical Properties of Concrete Mixers Nitharsan S	262 Assessing the spatial arrangement of reach morphology along a headwater stream: A case study in Yagirala Forest Reserve Balasuriya S	304 Climate Finance in Sri Lanka: A Critical Review of Current Status, Implementation Gaps and Strategic Way Forward Ranasinghe H

12.30-12.45 pm	218 (Online) The Impact of Environmental Amenities and Bushfire Risk on Melbourne's Housing Market: A Hedonic Property Values Approach Sandamini K	176 (Online) Factors Affecting Growth, Survival and Leaf Functional Traits of Tree Saplings Planted along a Successional Chrono-sequence in Endane Biodiversity Corridor in Southwestern, Sri Lanka Perera MADN	147 Urban Water Conservation in a Changing Climate: The Impact of Temperature and Precipitation on Urban Household Water Consumption. Alvis R	298 Use of non-biological methods for agarwood production in <i>Aquilaria</i> and <i>Gyrinops</i> species Rajapaksha SG	305 Ensuring Sustainability Through Environmental Assessments in Sri Lanka: A Critical Review of Status, Gaps, and Way Forward Ranasinghe H
12.45-01.00 pm	275 (Online) Identifying the Influential Factors of Coconut Exports and Their Interrelationships to Enhance the Competitiveness of Sri Lanka's Kernel Product Exports in the Global Market Narayana SNBMNU	208 (Online) A Taxonomic Survey of Bryophytes and Lichens in the University of Sri Jayewardenepura Suraweera H	14 Navigating Peril: Climate Change Impacts and Adaptive Strategies for Coastal Security in Colombo District Bulathgama TCB	236 (Online) A Glimpse into the Multiplicity of Traditional Homegarden Agroforestry Systems in the Wet Lowlands of Sri Lanka: A Qualitative Study Ruwanmalie P	
01.00 pm – 1.45 pm Lunch					

	Session 6 Biomass & Sustainable Energy Prof. Naohiro Goto	Session 2 Biodiversity Conservation & Management (Part 2) Dr. Isuru Kariyawasam	Session 3 Waste Management & Pollution Control (Part 1) Prof. Erandathie Lokupitiya	Session 2 Biodiversity Conservation & Management (Part 3)/ Forest & Natural Resource Management (Part 5) Prof. Saminda Fernando	Session 9 Wood Science, Wood & Non-wood Industry Dr. Janaka Kuruppuarachchi
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02.30-02.45 pm	278 Evaluating The Financial, Technical, And Sustainability Performance of Fire Briquette Produced From Tea Waste Jayasundara JMPDH	228 First insights into the floristic community, faunal and macro-fungal richness of Diyagama forest, Homagama, Colombo District Abeykoon AMKL	122 Isolation, Characterization and Identification of thermo-stable Amylase Enzyme Producing Bacteria from Compost Production Sites Chandrarathna AM, Marasinghe WW	249 Assess the impact of lionfish (<i>Pterois volitans and Pterois miles</i>) as an invasive species in the marine shallow waters in Hikkaduwa, Colombo and Trincomalee in Sri Lanka Ranasinghe S	303 Market Potential and Value Addition Opportunities for <i>Pinus caribaea</i> Products in Sri Lanka: A Stakeholder Analysis Devage DNN
02.45-03.00 pm	220 A comprehensive Environmental Life cycle Assessment of Kelanitissa Combined Cycle Power Plant (KCCP): Gate-to-Gate Approach Wijaysantha H	245 Mapping Seagrass Distribution and Determining Species Composition in the Jaffna Peninsula, Sri Lanka: A Spatial Analysis Nathan R	307 Case study of application of the polluter pays principle, on a digital platform for the management of Sanitary and Biomedical Waste generated at the Household level Gunarathna YR	302 Avian Nesting Patterns and Preferences in Urban Road Median Trees: A Case Study from Galle Road, Sri Lanka Chandrasiri PHSP	281 Studying of underutilized parts produced from the processing of <i>Cinnamomum zeylanicum</i> cultivated in Sri Lanka by analyzing their composition. Ranaweera RPDDD

03.00-03.15 pm	36 (Online) Assessing the growth performance of <i>Chlorella vulgaris</i> using low-cost growth media as a bioenergy source Rupasinghe CP	164 Culturable Endophytic Microbial Community Structure in Healthy and Die-back Infected <i>Callophyllum walkeri</i> in Horton Plains, Sri Lanka Perera MTNM	178 (Online) Selection of suitable landfill site in Colombo district, Sri Lanka using Geographical Information Systems (GIS) based Multi-Criteria Decision Analysis (MCDA) Ariyaratna TDS	183 (Online) Human-Crocodile Conflict in the Nilwala River Basin: Socio-Economic Impacts on Flood-Prone Communities Fernando W	187 (Online) Mathematical Model for forecasting sawn timber valuation: A Case Study of Jack Tree in the State Timber Co-Corporation, Sri Lanka Ediriwickramasuriya TM
03.15-03.30 pm		87 (Online) Assessment of Short-Term Dynamics in Tree Diversity in Wet Zone Rainforest, Sri Lanka Nikeshala M	10 (Online) Industrial Sour Orange (<i>Citrus aurantium</i>) Waste peels as a Source of Essential Oil: Extraction and Utilization in Food Industry Mahendran T	216 Developing a model to predict the abundance and distribution of Sharks in Southern Sri Lanka Senadeeara S	
3.30 pm - 3.45 pm Tea Break					
	Session 4 Environmental Economics & Resource Management (Part 2) Dr. Menuka Udugama	Session 2 Biodiversity Conservation & Management (Part 4) Dr. Harshini Herath	Session 3 Waste Management & Pollution Control (Part 2) Dr. Anushka Rajapaksha	Session 7 Sustainable Tourism Prof. W.H.M.S. Samarathunga	Session 1 Forest & Natural Resource Management (Part 2) Snr. Prof. Preeni Fernando
03.45-04.00 pm	306 A Multi-sector Approach for a Sustainable Future - The Role of the Banking Sector Ranpatige WJKD	44 Impact of Botanicals Exhibiting Insecticidal Properties on Parthenium beetle, <i>Zygogramma bicolorata</i> Pallister Pakeerathan K	229 Evaluation of water quality and heavy metal pollution in selected wetlands in Colombo District Dilrukshi SHS	297 A Comprehensive Study about Carbon Footprint of Yala National Parks in Dry Zone of Sri Lanka Kavindya S	194 Effect of Soil Type and Moisture on the Pupation Behaviour and Emergence of <i>Heortia vitessoides</i> (Lepidoptera:Crambidae) Subasingha SMAB

04.00-04.15 pm	266 A vegan, innovative approach with commercial potential, a coconut-based dessert formulated in Sri Lanka Dissanayake MPM	99 (Online) Seed Priming Methods to Break Seed Dormancy and Enhance Seed Germination in Selected Underutilized Crop and Fruit Species in Sri Lanka Wijesinghe T	210 Screening and Quantification of Selected Penicillin Group Antibiotics (AMX, AMP, CLOX) and Resistant Bacteria in Solid Waste Dump Leachates Kumara S	56 Opportunities and Challenges of Pescaturism: Insights from small-scale fishers in Rekawa, Southern Sri Lanka Waduge KWSH	72 Effects of Water Soaking Time on Quality and Chemical Composition of Fresh Sticks of Ceylon Cinnamon (<i>Cinnamomum zeylanicum Blume</i>) Wijesekara KD
04.15-04.30 pm	289 (Online) Reducing the Greenhouse Gas Emissions to Combat Climate Change: A Policy Simulation Analysis Jayathilaka KGME	98 (Online) The Role of Local Communities in the Nature Conservation: A Case Study of Yambaru Area in the Northern Part of Okinawa Island, Japan Toko A	191 Analysis of Biogas Production Potential from Anaerobic Digestion of Canteen Waste of University of Sri Jayewardenepura Nethminie DMO	139 (Online) Comparative Study on Innovative Financing Strategies in Protected Area Network Management; India, Indonesia, Thailand, South Africa and Sri Lanka Wijethunga ARL	73 (Online) The Effects of Botanical Extracts on Cercospora Leaf Spot Disease in Okra Thennakoon M
04.30-04.45 pm	241 (Online) Investigating the Relationship between CO ₂ Emissions, Renewable Energy Generation and Forest Coverage Using the ARDL Approach Jayasundara PN	157 (Online) Exploring the Importance of Vernonia zeylanica: An Endemic Medicinal Plant for Conservation, through Phytochemical Analysis Prasad VM	230 Characterization and Application of Serratia Marcescens and Sporosarcina Luteola in the Biodegradation of Soil Polycyclic Aromatic Hydrocarbons for Sustainable Soil Management Vanderwall M	47 (Online) Effective Marketing Strategies for Promoting Eco-Friendly Travel Destinations: A Study of Consumer Behavior and Sustainable Tourism Growth Adhikari SLK	71 (Online) <i>Oryza nivara</i> Identified in Wilpattu National Park Gamage S
04.45-05.00 pm	234 (Online) Identifying Visitor Trends of Marine Protected areas in Sri Lanka and Forecasting Visitations to Hikkaduwa National Park Jayarathne WADR	232 (Online) Evaluating the Efficacy and Safety of Clove Essential Oil as a Sedative for Long-Term Transportation of <i>Xiphophorus helleri</i> Parindya D	130 (Online) Evaluation of the Photocatalytic Activity of Chitosan-g-C ₃ N ₄ Composite for Methylene Blue Degradation Jayasinghe S		144 (Online) Identification of causal organisms of frequently recorded diseases of Lablab beans (<i>Lablab purpureus</i> (L.) in Sri Lanka Pathiraja N

Day 02 - 18th January 2025

Time	Hall A	Hall B	Hall C	Hall D	Hall E
	Session 11 & 2 Geology, Soil, and Water Resource Management (Part 1) / Biodiversity Conservation & Management (Part 5) Prof. S.M. Young	Session 2 Biodiversity Conservation & Management (Part 6) Dr. Kumudu Bandara	Session 11 Geology, Soil, and Water Resource Management (Part 2) Dr. Asitha Cooray	Session 1 Forest & Natural Resource Management (Part 3) + Biodiversity Conservation & Management (Part 7) Snr. Prof. Hemanthi Ranasinghe	Poster Session (Par 2) - Online Dr Shyanika Lakmali
08.15-08.30 am	7 An assessment of household Water Usage Patterns and Challenges in Koralaipatru West and Central divisional secretariat divisions, Batticaloa district in Sri Lanka <p style="text-align: right;">Suja LA</p>	149 Prediction of Factors Affecting the Recovery of Harvested Mangrove Species in Rekawa Lagoon, Sri Lanka; <i>Lumnitzera Racemosa</i> and <i>Exocaria agallocha</i> <p style="text-align: right;">Nawarathne K</p>	267 Hydrological and Water Quality Impacts of Climate Variability and Land-Use Change: A Case Study of the Muda River Catchment <p style="text-align: right;">Nurhidayu S</p>	80 Assessing Mangrove Forest Cover Dynamics in the Northern part of Negombo Lagoon, Sri Lanka, from 2006 to 2024 Using Remote Sensing and GIS Technology <p style="text-align: right;">Alagiyawanna B</p>	11 The impact of <i>Avicennia marina</i> root density on leaf litter retention and soil carbon variation <p style="text-align: right;">Hitibandara HHM</p>
08.30-08.45 am	261 Water Quality and Microplastic Contamination Status of Surface Water in the Head and Transitional Regions of the Maha Oya Basin, Sri Lanka <p style="text-align: right;">Somasiri HGRS</p>	166 Assessment of Species Diversity of Reef Fishes Impacted by Upwelling in Southern Sri Lanka <p style="text-align: right;">Kularathna KHID</p>	94 Water Quality in Surface Water of Kalu River Basin, Sri Lanka <p style="text-align: right;">Dilthara RMO</p>	258 Antioxidant and Sun Protection Capacity of Ceylon Black Tea Brew Based on Tea Grades and Manufacturing Technique <p style="text-align: right;">Withanachchi S</p>	26 Integrating Community Engagement in Sustainable Forest Management: Strategies for Resilience and Biodiversity <p style="text-align: right;">Selvakumar S</p>

08.45-09.00 am	268 (Online) Integrating Unmanned Aerial Vehicles (UAVs) for the Assessment and Monitoring of Vegetation in the Panama Sand Dune, Sri Lanka Perera N	185 A decadal analysis of phytoplankton response to nutrient variability and dynamics in Arabian Sea Gunarathna M	101 Levels of Naphthalene and Phenanthrene concentrations in meandering part of the Kelani River basin, Sri Lanka Adhikari A	260 In-vitro Antioxidant, Sun Protection, Anti-Inflammatory and Antibacterial Properties of <i>F. leucopyrus</i> , <i>O. octandra</i> and <i>H. speciosa</i> Withanachchi S	293 Preliminary Assessment on Growth Performance of Sea Cucumber (<i>Holothuria Scabra</i>) Integrated with Seaweed (<i>Kappaphus Alvarezii</i>) under Pen Culture in Jaffna District Ratheepan P
09.00-09.15 am	9 (Online) Application Of Hec-Hms Model on Event-based Simulation In Kalu Ganga For Flood Prediction Netthikumara NY	106 Assessment and Identification of Specific Pathogenic <i>Enterobacteriaceae</i> in the Flesh and Gut of <i>Rastrelliger kanagurta</i> (Indian Mackerel) and the Associated Impact of Different Collection Sources Fawmy F	240 Adsorption Studies in a Packed Bed Column for the Removal of Ca ²⁺ and Mg ²⁺ Ions from Water Using a Polyacrylamide- <i>Strychnos potatorum</i> Derived Activated Carbon Composite (Pa-Acsp) Nimaya N	269 A Comparative Study of Essential Oil and Oleoresin Extraction from Different Ceylon Cinnamon Bark Grades: Process Optimization, Antioxidant Activity, and Chemical Composition Madhawa R	141 Characterization of <i>Fusarium Oxysporum</i> Causes Foot Rots of <i>Capsicum Annum L.</i> of Sri Lanka and Its Control with the Use of Endophytic Fungi Pathiraja N
09.15-09.30 am	25 (Online) Short Term Impacts of Polypropylene Microplastics on Soil pH And Microbial Enzyme Activities De Silva D	214 (Online) Antibiograms and Multi-Antibiotic Resistance of Staphylococci and Micrococci Isolated from Chlorinated Drinking Water Supply of the Mahaweli River, Sri Lanka Thilakarathna PTA	250 Analysis of Heavy Metal Accumulation by Soil and Vegetation of Wetlands in Colombo Area Jayanandana KPTN	85 Abundance of Virus-Like Particles Associated with Coral Mucus on the Dominant Corals in Southern Sri Lanka Chalodya BMLJ	206 The Forest Division and Colonial Governance During the British Era: A Study of Batticaloa District Chenthurran N

09.30-09.45 am	131 (Online) A GIS and Remote Sensing Based Analysis on spatio – temporal changes of water retention capacity of the Udawalawe Reservoir Sumanarathna SIM	18 (Online) Assessment of Mangrove Snail Diversity in Mangrove Ecosystems; A Case Study in Kandakuliya, Sri Lanka Sandaruwan C	246 (Online) Enhancement of Water Quality in Kandy Lake with Duckweed: An Assessment of Efficacy Jinasena N	200 Assessing the Fishing Grounds and the Influence of Oceanographic Variables on Skipjack tuna (<i>Katsuwonus pelamis</i>) distribution and abundance along the Southern Coast of Sri Lanka Ishara T	244 Identification of Suitable Areas for <i>Pinctada</i> Sp. (Pearl Oyster) Culture in the Northwestern and Northern Regions of Sri Lanka, Based on GIS Approaches Perera R
09.45-10.00 am	212 (Online) Mitigating Environmental Impact: A Novel Graywater Treatment Approach for Small Hotels in Anuradhapura, Sri Lanka Rajakaruna RMNK	79 (Online) Exposure to environmentally relevant concentrations of acetaminophen increases the physiological stress response in juvenile zebrafish (<i>Danio rerio</i>) Ishara P	272 (Online) Spatial Variability of Soil Organic Carbon and Nutrient Dynamics in Disturbed and Undisturbed Riverine Mangrove Sites in Mannar Dissanayake M	280 (Online) Variation of chlorophyll content of selected mangroves from diverse salinity environments on the east coast of Sri Lanka Krishanthiny R	264 Screening of <i>In Vitro</i> Antidiabetic and Antioxidant Activities of Selected Sri Lankan Medicinal Plants Benthavithana J
10.00-10.15 am	221 (Online) Assessing soil carbon recovery: evidence of progressive restoration at a lowland wet zone site in Sri Lanka Perera MSK		213 (Online) Health Risks and Environmental Impact Assessment of Reject Water Quality from Reverse Osmosis Plants A Case Study in Medawachchiya Divisional Secretariat Rajakaruna RNMK	67 (Online) Diversity and Conservation of Medicinal Plants around Madduvil Sivan Kovil Area, Northern Province, Sri Lanka Nithiakumar N	274 Forest restoration efforts in Sri Lanka: successes and failures Piumal J

10.15-10.30 am	283 (Online) Assessment of Water Quality of an Urban Wetland: Bellanvila-Attidiya, Colombo, Sri Lanka Batugedara I		284 (Online) Assessment of Vegetation Changes and Seawater Intrusion in the Lower Bentota Ganga Sub River Basin: A Study of Land Use and Land Cover Change Fauzan NND	38 (Online) Comparative Analysis of Pre-Sowing Seed Treatments on Germination and Growth Metrics of <i>Santalum album L.</i> Verma S	
10.30 am - 11.00 am Tea Break					
	Session 12 Citizen Science Forum Prof. Hiran Amarasekera	Session 1 Forest & Natural Resource Management (Part 4) Prof. RGU Jayalal	Session 3 Waste Management & Pollution Control (Part 3) Dr. Niranjana Kannangara	Session 8 Sustainable Land Use & Urban Development Prof. Padma Weerakoon	Session 10 Environmental Engineering (Part 2) Dr. Shyam Kularathna
11.00-11.15 am	55 The Impact of Games on Citizens' Awareness and Behavioral Change Regarding Decarbonization Ishikawa S	165 Ethnobiological Importance of Mangrove Ecosystems in Trincomalee, Sri Lanka: Insights for Conservation Priorities Thahira T	16 Detection and Quantification of Histamine in Canned Fish and Fish Products Purchased from Market Perera S	114 Assessing the Impact of Land Use Dynamics on Urban Heat Island Effect: A Remote Sensing Analysis of Vavuniya DSD, Sri Lanka (2003-2023) Kanagaratnam R	222 Biological Efficacy and Chemical Properties of <i>Citrus Maxima</i> (Pomelo) Peel Essential Oil-Based Nanoemulsions Against <i>Sitophilus oryzae</i> (L.) (Coleoptera: curculionidae) Wickramasinghe C
11.15-11.30 am	92 Gender Incorporation in Rural Drinking Water Sector in Sri Lanka for Climate Change Adaptation and Resilience Building Perera MSD	215 Impact of Clear Cutting on Sedimentation Dynamics: A Case Study in Naturalized Mature Pine Plantation, Tropical Lowland, Sri Lanka Balahewa SL	121 Preliminary Physiochemical Analysis of Herbal Solid Waste Generated from Selected Ayurvedic <i>Kwatha</i> Manufacturing Process Inch S	74 Geospatial and Temporal Changes in Urban Green Space; Case Study in Kandy Four Gravets and Gangawata Korale Divisional Secretariat Division (1988-2024) Kavirathna GE	237 Smart Biofilter for Effective Nitrogen Transformation in Aquaponic System with Automation Subhashini MAS

11.30-11.45 am	153 (Online) Assessing Biodiversity Conservation Through EUDR-Compliant Rubber Cultivation in Sri Lanka: A Case Study of Ingiriya Rubber Estates Nayanapriya RCL	294 Optimizing Seed Germination and Establishment of <i>Sonneratia caseolaris</i> for Propagation and Reforestation Diwakara T	150 Fruit Peel Wastes as Novel Media for Growing Selected Fungi Ravimannan N	102 (Online) Land Use and Land Cover Dynamics and its impact on Land Surface Temperature in Ratnapura Municipal Council Area, Sri Lanka Malaviarachchi MBT	300 Assessment of Social Footprint of RSS Manufacturing using Social Life Cycle Assessment; A Case Study in a RSS Factory in Sri Lanka Liyanage DJTS
11.45-12.00 noon	158 Development and Characterisation of Ready-to-use Supplementary Food for Underweight Young Adults in Sri Lanka Fernando BHDS	224 Physicochemical Properties of Flour Obtained from Selected Traditional Corn Landraces in Sri Lanka Dharmarathne A	146 The Usage of Household Polythene and Plastics in Kirinda Puhulwella Pradeshiya Sabha, Matara Lakshan VGS	93 Evaluation of ecosystem services provided by urban street trees in Kandy City, Sri Lanka Senadeera TSM	270 (Online) Exploring the Potential of <i>Bacillus subtilis</i> IS1 and <i>B. amyloliquificiens</i> IS6 to Manage Salinity Stress and Fusarium Wilt Disease in Tomato Plants by Induced Physiological Responses Akram W
12.00-12.15 pm	203 First records of coral killing cyanobacteriosponge <i>Terpios hoshinota</i> within the marine sensitive reef ecosystem in Pasikuda bay, east coast of Sri Lanka Perera P	235 Exploring the impact of diverse herbal mixtures on the quality and bioactive attributes of 'kithul' treacle in the Sinharaja forest region Hewavidana K	156 Isolation of Antibiotic-Resistant Bacteria, Multiple Antibiotic Resistance Index, and Antibiotic Resistance Genes in Compost from the Western Province of Sri Lanka Sewmi G	82 (Online) Evaluation of Coir Pith Aging in Enhancing Expansion Ratios for Sustainable Land Use in Agriculture Weerasinghe S	37 (Online) Epoxy/Graphene Composite for Industrial Applications Fernando WMM
12.15-12.30 pm	273 Increasing the biodiversity of habitats around Sri Lankan railway systems Wanigasooriya DA	226 (Online) Formulation of <i>Myristica fragrans</i> Pericarp Incorporated Natural Seasoning Powder Madushika NH	159 Impact of Waste Management on Financial Performance with Reference to Listed Firms in Sri Lanka Nanayakkara NKJ	107 Assessing Land Use Dynamics in Maduganga, Sri Lanka: A Comparative Study Using Supervised Classification Dassanayake DVNW	42 (Online) Slaughterhouse Wastewater Using Upflow Anaerobic Sludge Blanket (UASB) Reactor: Evaluation of Net Energy Nitharsan S

12.30-12.45 pm		205 (Online) Comparative analysis of tree growth in Yagirala man-made forest and Sinharaja natural forest, Sri Lanka, and implications for sustainable forestry management Disanayaka S	78 (Online) Economic and Environmental Sustainability of Oyster Mushroom (<i>Pleurotus ostreatus</i>) Cultivation using Agro-Industrial Waste Substrates Weerasinghe S	40 (Online) Analysis of urban growth and land use changes in selected Divisional Secretariats (DSD) in Anuradhapura District, Sri Lanka, using Geographic Information Systems (GIS) and Remote Sensing (RS) Ariyaratna TDS	195 (Online) Impact of Silicon Amendments on Insect Pest Infestation and Yield in Parachute Established Rice Seedlings Fernando HNS
12.45-01.00 pm			59 Adsorptive Removal of Copper in Aqueous Solutions Using <i>Pandanus kaida</i> Leaf Powder Amarasekera S	277 (Online) A study on soil quality parameters of two urban wetlands in the Colombo district, Sri Lanka Weerasinghe D	
01.00-01.15 pm			135 Abundance of the Plastic Debris in Accelerated Natural Regeneration of Mangroves Site in Anawilundawa and Periphery Methsara S		

1.15 pm - 2.00 pm Lunch

	Session 13 Poster Session (Part 3) - Online	Session 13 Poster Session (Part 4) - Online	Session 2 Biodiversity Conservation & Management (Part 8)	Session 5 Climate Change & Disaster Management/ Waste Management & Pollution Control (Part 4)	Session 13 Poster Session (Part 5) - Online
	Dr. Randika Jayasinghe	Dr. Thilak Chandrathilake	Dr. Sandali Dissanayake	Snr. Prof. Hemanthi Ranasinghe	Dr. Madhurya Adhikaram
02.00-02.15 pm	48 Spatial and temporal variation of litter along some selected beaches of the west coast of Sri Lanka Vithanage CHR	20 From Wilderness to Urbanity: The Adaptation of African Green Monkeys in Bangkok's Abandoned Forest Areas Phaepilin A	111 The Implication of Landscape Composition, Landscape Configuration, and Climatic Factors on the Variation of Pavo cristatus (Indian Peafowl) Density in the Southern Province of Sri Lanka Kodithuwakku K	51 An Analysis of Temporal Changes Of Human Comfort Index (HCI) In Colombo Metropolitan Area, Sri Lanka (1997-2022) Bandara KNDT	50 Assessing Local Fishing Communities' Willingness to Pay for Reducing Faecal and Oil Pollution in the Negombo Lagoon Dissanayake TGDS
02.15-02.30 pm	271 The study of analyzing the environmental impact of manufacturing wheat biscuits in laboratory scale using Life Cycle Analysis (LCA) Thanthirige J	202 Preliminary Assessment of Colored Pan Traps for Insect Sampling in Sri Lankan Home Gardens Ranasinhe RATD	129 Altitudinal Segregation of Non-Volant Mammals Along a One-Kilometer Elevation Gradient in the Highlands of Sri Lanka Maduranga D	257 Investigation of some selected rice landraces for C4 photosynthetic traits Illangaratne P	177 Integrating Remote Sensing and Machine Learning for Landslide Prediction and Early Detection Vigneswaran N

02.30-02.45 pm	46 Urban Parks as Catalysts for Sustainable Land Use: Enhancing Climate Resilience in Colombo Urban Area	120 A case study on the integration of organic farming practices to enhance the livelihoods of farmers and fishermen through wetland conservation in the Bolgoda Lake region	239 Assessing the Human Monkey Conflict in Bulathsinhala Divisional Secretariat in Kalutara District, Sri Lanka	105 Assessing Greenhouse Gas Emissions in Pet Recycling: A Case Study of Flake and Yarn Production in Sri Lanka	30 Development of a Strategic Conservation Education Plan for the Department of National Zoological Gardens, Dehiwala
	Wijesundara S	De Soysa HN	Rathnayake DK	Senarathna BINC	Samarasinghe WV
02.45-03.00 pm	24 Cultural Heritage and Sustainable Tourism: A Community Study in Ratnapura District, Sri Lanka	125 An Ethnobotanical Survey of Medicinal Plants In Thoranamalai Hill In Thirunelveli, Tamil Nadu, India	211 Assessing the Potential of QBR Index in Predicting Instream Habitat Quality; A Comparison with Macroinvertebrate Diversity Indices in Wathurawa Stream, Deniyaya, Sri Lanka	28 (Online) Investigation of the Decomposition Rate of <i>Gliricidia</i> sp, <i>Murraya</i> sp, and <i>Cynodon</i> sp under different Abiotic Factors.	140 The Thickness of the Shallow Depth Hardpans on Soil Hydraulic Characteristics
	Selvakumar S	Sugeevan R	Kumarasinghe AD	Perera GCA	Rathnayake R
03.00-03.15 pm	84 Microgrid-Based Solutions for Enhancing the Resilience of Power Systems in Agricultural Regions: A Smart Grid Approach for Green Energy	248 The Impact of Land Use and Climatic Factors in Indirect Biodiversity Conservation of Sri Lanka's Plantation Landscape: Case Study	96 (Online) Monitoring Faecal Testosterone Levels Across Antler Development Stages in Spotted Deer (<i>Axis Axis</i>) In Trincomalee, Sri Lanka	285 (Online) Application of Remote Sensing Technology to Study Human Encroachment Patterns in Marginal Villages of Wilpattu National Park	227 Study the change in Laterite geochemistry with atmospheric conditions (chemical properties)
	Perera G	Jayalath JADDD	Shrikumar S	Herath H	Ranaweera A

03.15-03.30 pm		<p>276 Trophic Ecology of Ichthyofauna Associated with the SS Orestes Shipwreck: Insights into Artificial Reef Ecosystems in Sri Lanka</p> <p>Handapangoda K</p>		<p>137 (Online) Assessment of anthropogenic influence on blue carbon stocks of tidal salt marshes in Northwest coast, Sri Lanka</p> <p>Chamika I</p>	<p>115 An Updated Checklist of Exotic Fish Species Recorded from Nine Urban Wetlands of Colombo District, Sri Lanka</p> <p>Dhamsara M</p>
03.30-03.45 pm		<p>175 Ethnobotanical survey in Pigeon Island National Park, Trincomalee</p> <p>Rajeev SRP</p>		<p>282 (Online) Environmental changes caused by illegal gem mining in Sri Lanka</p> <p>Withana WB</p>	
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